

# COMPLIANCE & TECHNICAL ASSISTANCE BRANCH FIELD OPERATIONS

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Joshua George  
Division of Water  
Hazard Regional Office

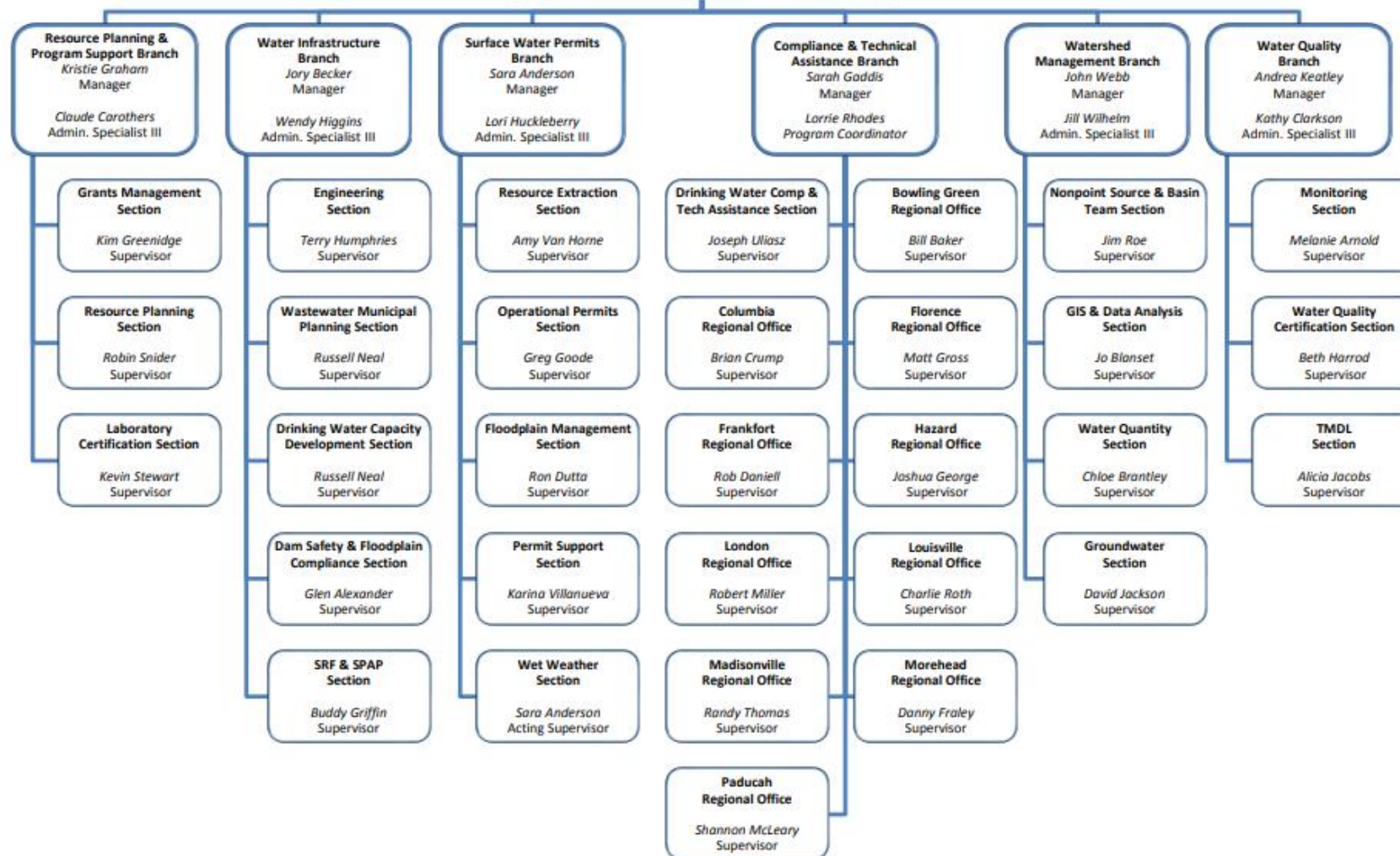


## DIVISION OF WATER

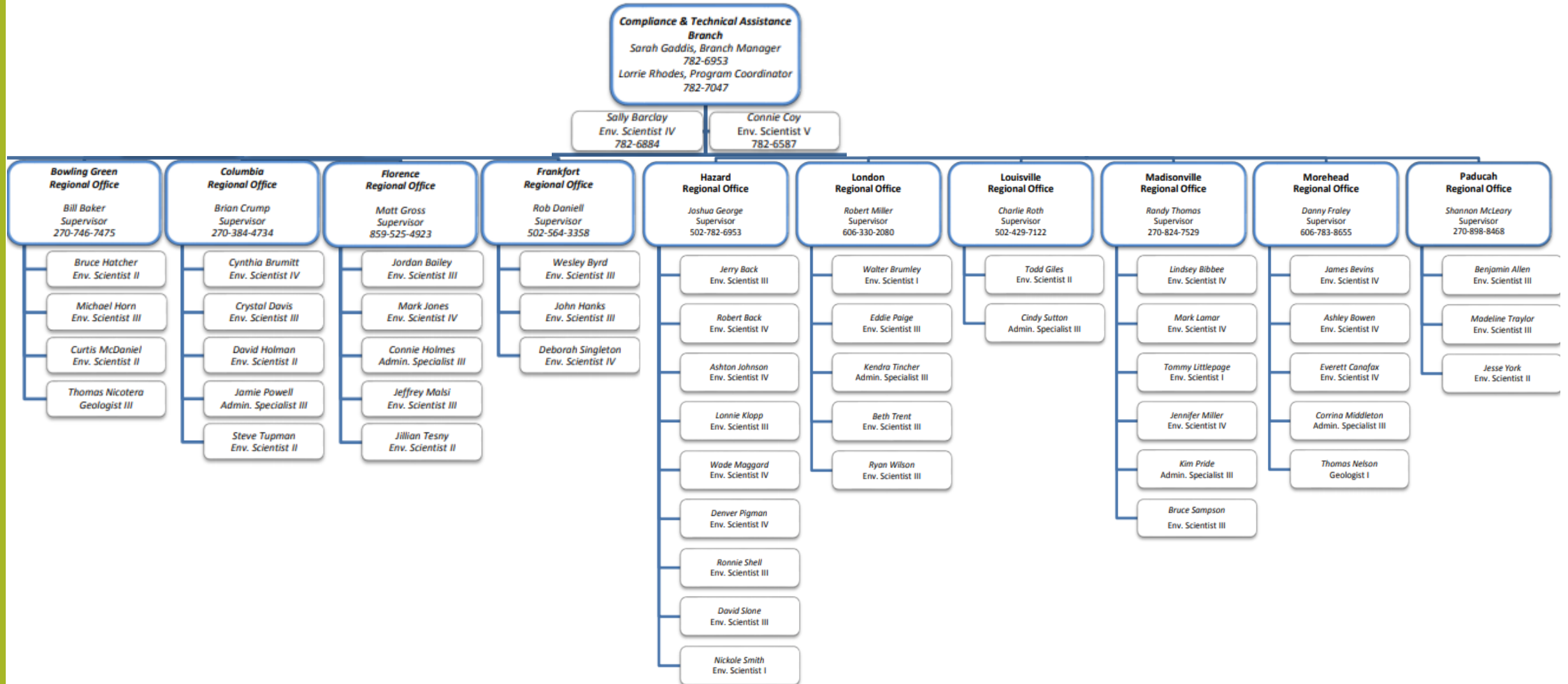
300 Sower Boulevard, Frankfort, KY 40601  
Phone: 502.564.3410

**Peter Goodman**, Director  
**Tom Gabbard**, Assistant Director

Claude Carothers, Admin. Specialist III



# Field Offices





Division of Water Regional Offices

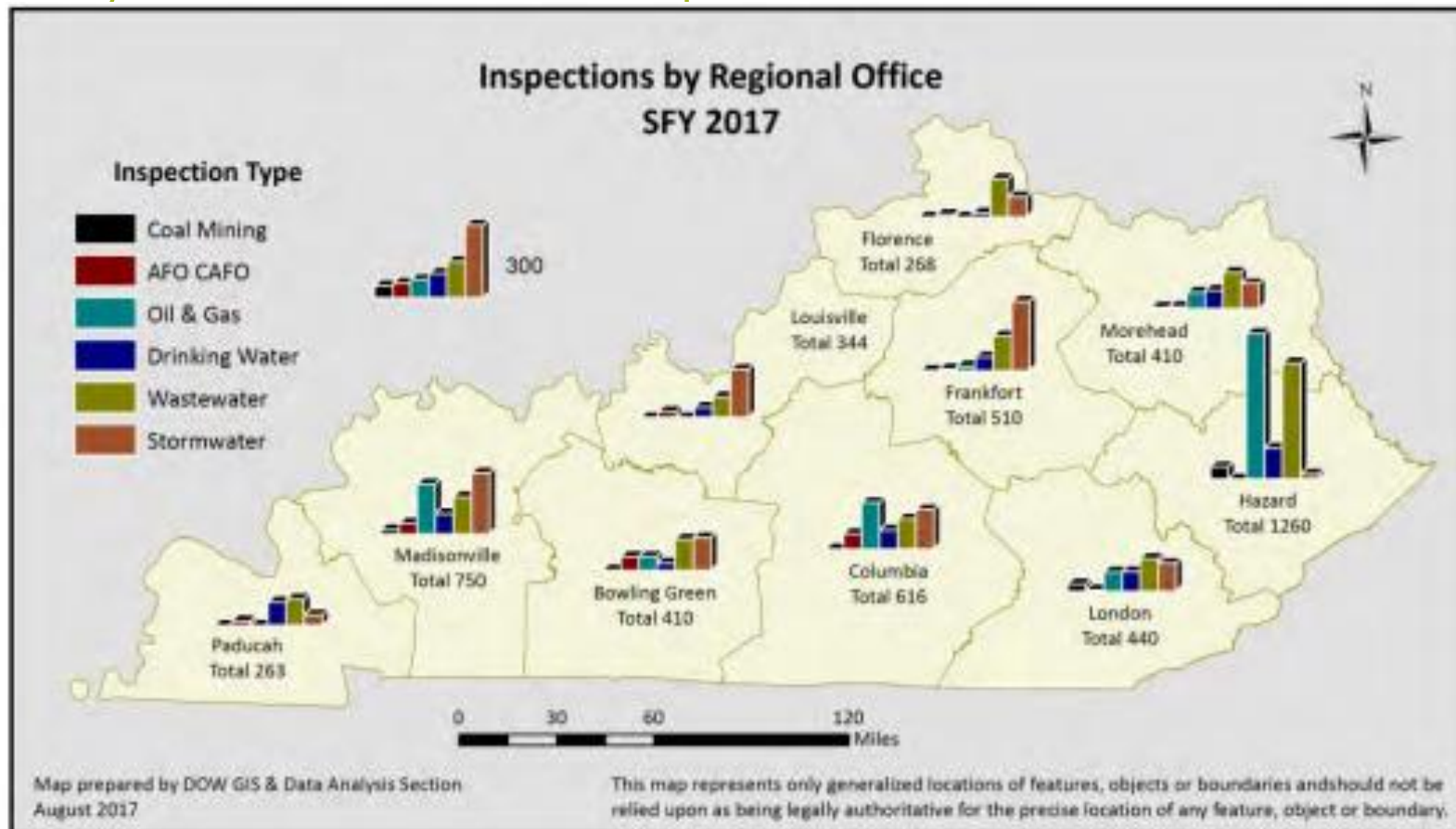
# Inspection Areas

- Wastewater Facilities
- Drinking Water Facilities
- Stormwater
- Oil & Gas
- Floodplain
- Agriculture
- Coal Mining Sectors



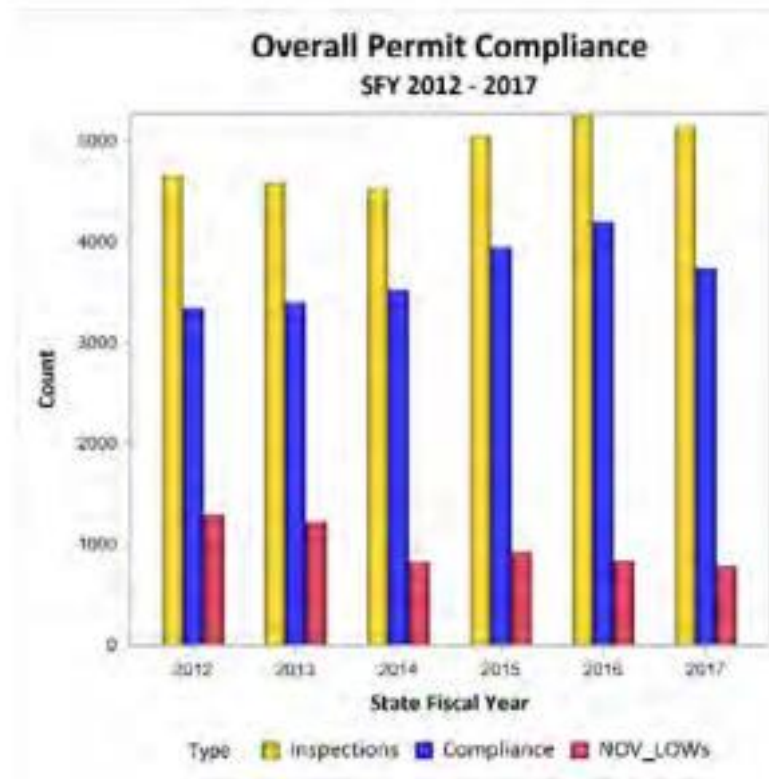
# Compliance Inspections

Inspections ensure that wastewater, stormwater, and drinking water facilities are meeting federal and state regulatory requirements, permit conditions, and are a primary mechanism for DOW to provide technical assistance to facilities.



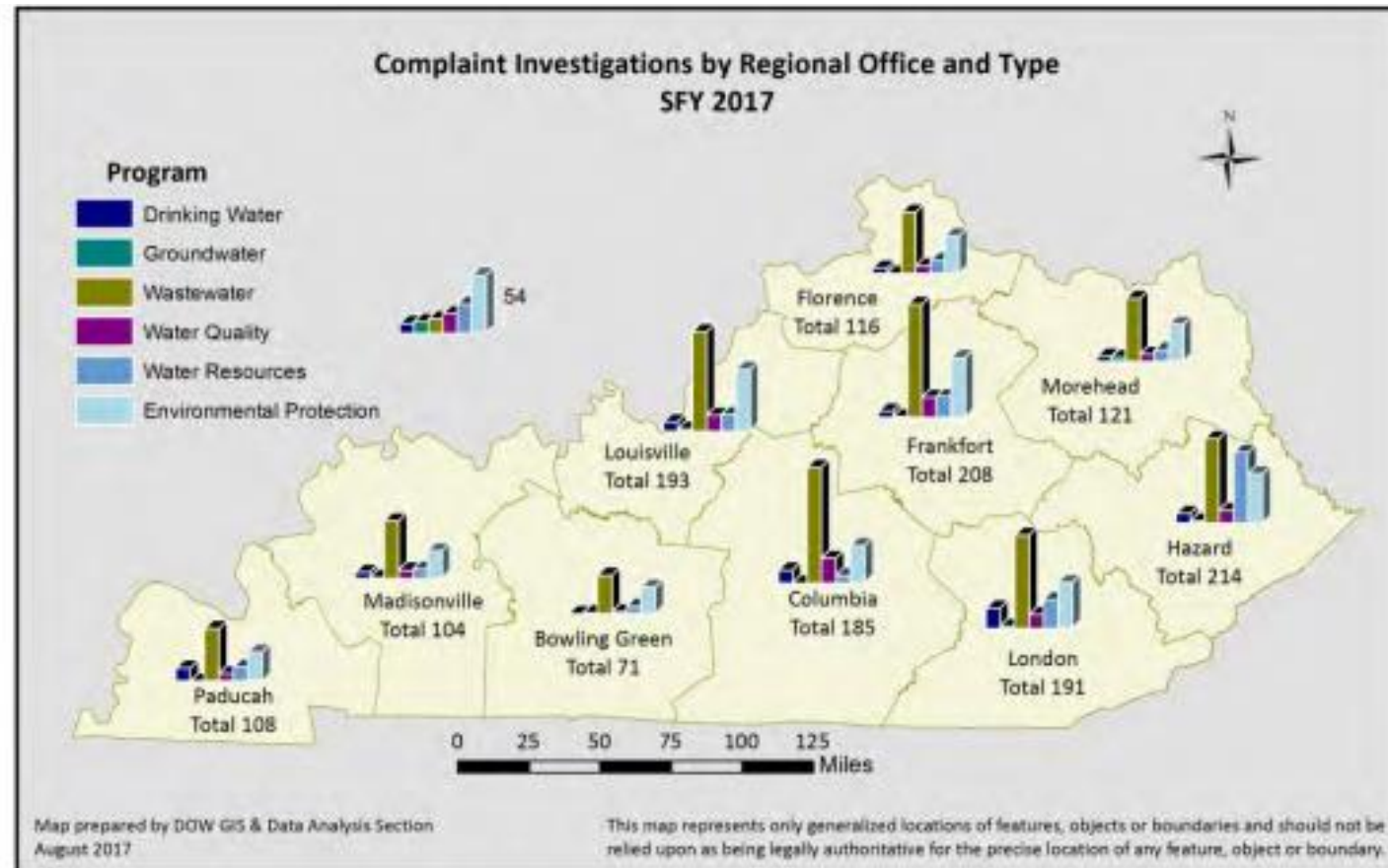
# Inspections

- FY17 – 5,271 inspections conducted
  - 58% were for wastewater and stormwater permits
  - 42% were for drinking water, oil and gas, agriculture and coal mining sectors
  - Compliance rate was around 80%



# Investigations

- FY17 – 1,511 complaint investigations



# What does an inspector look for during a KPDES inspection?

**An inspector looks for compliance with the KPDES permit and other regulations, including water quality standards.**

**Questions we ask ourselves as we conduct an inspection:**

Does the site have a permit?

Is the facility staffed with the required certified operators?

Is the facility being properly operated and maintained?

Does the facility maintain all the required documentation?

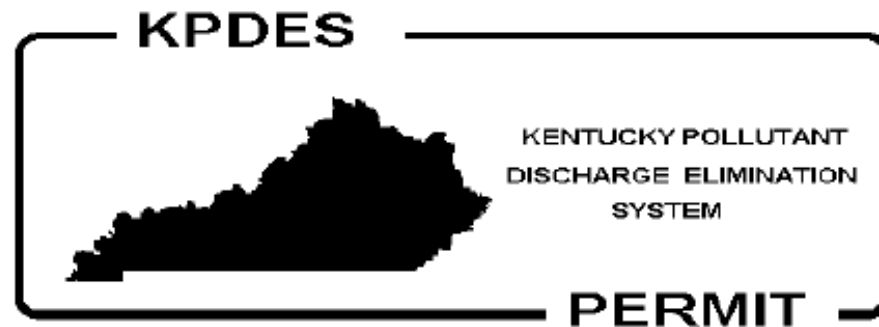
Has the permittee prepared and implemented an SWPPP?

Has the facility reported spills, bypasses, or releases?

Have pollutants entered the stream and is there degradation?

# Does the site have a permit?

- Has the responsible party applied for the proper KPDES permit as required by the Division of Water? [401 KAR 5:060 Section 2(2)(a)]
- Does the responsible party hold the proper KPDES permit? [401 KAR 5:060 Section 8]



PERMIT NO.: KYR100000  
AI NO.: 35050

**AUTHORIZATION TO DISCHARGE UNDER THE  
KENTUCKY POLLUTANT DISCHARGE ELIMINATION SYSTEM (KPDES)**

**Pursuant to Authority in KRS 224,**  
Stormwater Discharges Associated with Construction Activities  
**is authorized to discharge from a facility located at**  
Within any of the 120 counties of the Commonwealth of Kentucky  
**to receiving waters named**

Those water bodies of the Commonwealth that comprise the Mississippi and Ohio River basins and sub-basins within the political and geographic boundaries of Kentucky  
**in accordance with effluent limitations, monitoring requirements and other conditions set forth in this permit.**

This permit shall become effective on December 1, 2014.

This permit and the authorization to discharge shall expire at midnight, November 30, 2019.

November 21, 2014

Date Signed

Peter T. Goodmann, Director  
Division of Water

DEPARTMENT FOR ENVIRONMENTAL PROTECTION  
Division of Water, 200 Fair Oaks Lane, Frankfort, Kentucky 40601

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**Read  
Your  
Permit**

# Common Violations

- ✓ O & M/Housekeeping
- ✓ Developing and implementing BMP plans
- ✓ Identifying effective BMPs
- ✓ Staying within permit limits
- ✓ Failure to report spills and bypasses
- ✓ Failure to renew permits in a timely manner
- ✓ Certified Operator



# Permittees Struggle with...



- Permit limit changes
- Comprehending or understanding the permit
- Monitoring schedules
- Recording Keeping and proper O&M
- Field & Lab Certification Requirements
- Reporting spills/bypasses as required
- DBP compliance

Have pollutants entered the stream and is there degradation?

- Have pollutants entered the waters of the Commonwealth? [KRS 224.70-110]
- Have surface waters been aesthetically or otherwise degraded? [401 KAR 10:031 Section 2]

Muddy water  
flowing from the  
bench down into  
the sump.







The muddy discolored water from the UT was causing  
discoloration in the North Fork of the KY River

Discharge Point



# Overflows & Bypasses



# Has the facility reported spills, bypasses, or releases?

Is the facility in compliance with the reporting requirements for spills, bypasses, and other releases to the environment? [401 KAR 5:015 Section 2]

## 24 Hour Reporting

1-800-928-2380

Effluent

# Treatment Plant



UV System



# Floodplains and 401



# Floodplains & 401

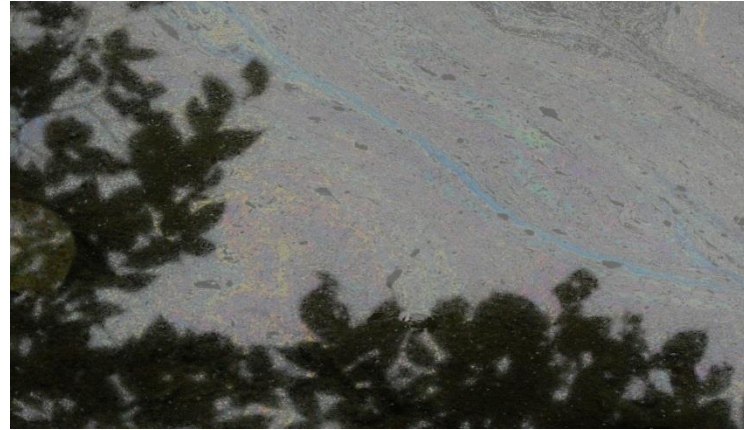


# Oil & Gas



Oil Staining

## Sheen & brine pump



# Improperly Installed BMPS

## Lack of Maintenance



# Construction Lack of Maintenance



# Improper Storage of Materials



# Questions

## ????

Thanks: <http://water.ky.gov/Pages/Division%20of%20Water.aspx>